Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

- 1. (previously amended) A method of fabricating an ion optic device comprising:
- 2 shaping a ceramic material such that the ceramic material has a cavity, the ceramic
- 3 material being at least a portion of the ion optic device;
- 4 covering at least a portion of the cavity with at least one material selected from a
- 5 group consisting of a conductive material and a resistive material; and
- 6 removing a portion of the covering material from said cavity;
- wherein shaping the ceramic material comprises providing the cavity being
- 8 substantially shaped as a cylindrical bore in the ceramic material; and
- 9 wherein removing a portion of the covering material comprises removing at least two
- 10 portions of the covering material on opposing surfaces of the interior of the bore to create at
- 11 least two separate, opposing areas of covering material..
- 1 2. (canceled)
- 1 3. (original) The method of claim 1 wherein the ceramic material is a material
- 2 selected from the group consisting of a ceramic, a glass, and a glass-ceramic.
- 4. (original) The method of claim 1 wherein the conductive material is metal.
- 1 5. (canceled)

1	6. (currently amended) A method of fabricating an ion optic device comprising:
2	shaping a ceramic material such that the ceramic material has a cavity, the ceramic
3	material being at least a portion of the ion optic device;
4	covering at least a portion of the cavity with at least one material selected from a
5	group consisting of a conductive material and a resistive material, and
6	removing a portion of the covering material from said cavity;
7	[The method of claim 19] wherein removing a portion of the covering material
8	comprises removing at least one portion of the covering material circumscribing the interior
9	perimeter of the cavity to create at least two substantially parallel bands of conductivity on an
10	inner surface of the cavity.
1	7. (original) The method of claim 6 wherein the cavity extends through the ceramic
2	material; and
3	further comprising the step of attaching a conductive grid over one end of the
4	cavity.
1	8. (previously amended) The method of claim 6 further comprising separating the
2	ceramic material into a first portion and a second portion, and
3	joining the first portion and the second portion back together with a
4	conductive grid therebetween.
1	9. (currently amended) The method of claim $\underline{1}$ [19] wherein shaping the ceramic
2	material comprises providing a blind end in the cavity; and

- wherein covering at least a portion of the shaped ceramic material with at least 3 one covering material comprises covering at least a portion of the blind end in the interior of 4 the cavity with a conductive material. 5 10. (previously amended) An ion optic device for manipulating ions in a vacuum, 1 comprising: 2 a ceramic substrate having a cavity therein, said cavity is substantially a first 3 cylindrical bore; and 4 a conductive coating on at least two separate areas on opposing surfaces of the 5 first cylindrical bore, wherein the at least two separate areas of conductive coating are 6 separated by a secondary bore having an axis parallel to the first cylindrical bore. 7
 - 1 Claims 11 14. (canceled)
 - 1 15. (previously amended) The device of claim 19 wherein the cavity has an open end 2 and the device further comprises a conductive grid attached to the ceramic substrate over the 3 open end.
 - 1 16. (previously amended) The device of claim 19 wherein the ceramic substrate is 2 provided in at least two portions and a conductive grid is provided between the two portions.
 - 1 17. (original) The device of claim 10 wherein the ceramic is a glass-ceramic.

- 1 18. (previously amended) The device of claim 19 wherein the cavity has an open end 2 and the device further comprises an electrode member attached to the ceramic substrate over 3 the open end.
- 1 19. (previously added) An ion optic device for manipulating ions in a vacuum, 2 comprising:
- a ceramic substrate having a cavity therein, said cavity having a blind end; and
 a conductive coating substantially covering the interior surface of the blind end,
 said conductive coating further provided in at least two separate bands circumscribing the
 cavity.
- 20. (previously added) The device of claim 19 wherein the ceramic substrate is a glass-ceramic.